

Quiz 1 (Chapter 5)

Started: Sep 19 at 5:30pm

Quiz Instructions

Here is an ANOVA table with some entries missing, marked by (i), (ii), (iii), and (iv).

<i>Source of variation</i>	<i>Degrees of freedom(df)</i>	<i>Sums of squares (SS)</i>	<i>Mean square (MS)</i>	<i>F</i>
<i>Regression</i>	(i)	<i>SSreg</i>	<i>SSreg/p</i>	<i>F = (iv)</i>
<i>Residual</i>	(ii)	<i>RSS</i>	(iii)	
<i>Total</i>	<i>n - 1</i>	<i>SST</i>		

Each question below asks you to fill in each of the missing entries. Select the best answer in each case.

Question 1

1 pts

What goes in entry (i)?

- ☐ $RSS/(n-p-1)$
- ☐ $SSreg/(n-p)$
- ☐ $(SSreg/p) / (SST/(n-1))$
- ☐ $n-p$
- ☐ $(SSreg/p) / (RSS/(n-1))$
- ☐ $n-p-1$
- ☐ $(SSreg/p) / (RSS/(n-p-1))$
- ☐ $SSreg/RSS$
- ☐ p

63 You are currently logged into Student View

Resetting the test student will clear all history for this student, allowing you to view the course as a brand new student.

[Reset Student](#)

[Leave Student View](#)

Question 2**1 pts**

What goes in entry (ii)?

- ☐ $SS_{reg}/(n-p)$
- ☐ $(SS_{reg}/p) / (SST/(n-1))$
- ☐ $n-p$
- ☐ $RSS/(n-1)$
- ☐ $n-p-1$
- ☐ $RSS/(n-p-1)$
- ☐ $(SS_{reg}/p) / (RSS/(n-p-1))$
- ☐ $(SS_{reg}/p) / (RSS/(n-1))$
- ☐ p
- ☐ $p+1$
- ☐ SS_{reg}/RSS

Question 3**1 pts**

What goes in entry (iii)?

- ☐ $(SS_{reg}/p) / (RSS/(n-p-1))$



**You are currently logged
into Student View**

*Resetting the test student will clear
all history for this student, allowing
you to view the course as a brand
new student.*

Reset Student**Leave Student View**

- ☐ $p+1$
- ☐ $(SS_{reg}/p) / (RSS/(n-1))$
- ☐ $RSS/(n-1)$
- ☐ $n-p-1$
- ☐ p
- ☐ $(SS_{reg}/p) / (SST/(n-1))$
- ☐ $n-p$
- ☐ SS_{reg}/RSS

Question 4**1 pts**

What goes in entry (iv)?

- ☐ $(SS_{reg}/p) / (RSS/(n-p-1))$
- ☐ $(SS_{reg}/p) / (RSS/(n-1))$
- ☐ $n-p$
- ☐ $RSS/(n-1)$
- ☐ $SS_{reg}/(n-p)$
- ☐ $n-p-1$
- ☐ SS_{reg}/RSS
- ☐ $RSS/(n-p-1)$
- ☐ $(SS_{reg}/p) / (SST/(n-1))$
- ☐ p

**You are currently logged
into Student View**

*Resetting the test student will clear
all history for this student, allowing
you to view the course as a brand
new student.*

Reset Student**Leave Student View**

Not saved

Submit Quiz

63 You are currently logged into Student View

Resetting the test student will clear all history for this student, allowing you to view the course as a brand new student.

Reset Student

Leave Student View